

**PATENT APPLICATION****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Attorney Docket No: 12960US02

031088 U.S. PTO  
10/688123

101703

**PATENT APPLICATION TRANSMITTAL**

**Box Patent Application**  
**Assistant Commissioner for Patents**  
**Washington, D.C. 20231**

Sir:

Transmitted herewith for filing is the patent application of

**Inventor(s): Kenneth R. Morris and G. Patrick Stahly****Title: METHODS OF SEARCHING FOR AND GENERATING  
HIGH FREE ENERGY FORMS****1. Type of Application**

This new application is for a:

This application is a:

 utility patent. continuation design patent. divisional continuation-in-part (CIP)**2. Application Papers Enclosed**

## Title Page

30 Pages of Written Description (excluding Claims, Abstract & Drawings)4 Page(s) of Claims (1- 20)1 Page(s) of Abstract1 Sheet(s) of Drawings (Figs. 1-2) Formal Informal**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on **October 17, 2003**, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV164033812US.

  
Michael B. Harlin

**3. Declaration or Oath**

Enclosed

Executed by (check all applicable boxes)

Inventor(s)

Legal representative of inventor(s)

(37 CFR 1.42 or 1.43)

Joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached

The petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 are enclosed. See Item 5D below for fee.

Not enclosed - the undersigned attorney or agent is authorized to file this application on behalf of the applicant(s). An executed declaration will follow.

**4. Additional Papers Enclosed**

Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)

Preliminary Amendment

Information Disclosure Statement, including copies of cited references

Declaration of Biological Deposit

Computer readable copy of sequence listing containing nucleotide and/or amino acid sequence

Associate Power of Attorney

Verified translation of a non-English patent application

An assignment of the invention (copy of recorded assignment(s) from prior application)

Certified copy(ies) of application(s):

COUNTRY	APPLICATION NO.	FILED

from which priority under 35 USC 119 is claimed

is(are) attached.

will follow.

Other

**5. Filing Fee Calculation (37 CFR 1.16)**

A.  Utility Application

CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT (IF ANY)						
			SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE				\$ 385.00		\$ 770.00
TOTAL	20 - 20	= 0	X 9 =	\$	X 18 =	\$
INDEP.	3 -2	= 0	X 43 =	\$	X 86 =	\$
<input type="checkbox"/> First Presentation of Multiple Dependent Claim			+ 145 =	\$	+ 290 =	\$
Filing Fee:				\$ 385.00	<b>OR</b>	\$ 770.00

B.  Design Application (\$160.00/\$320.00) Filing Fee: \$ \_\_\_\_\_

C.  Plant Application (\$245.00/\$490.00) Filing Fee: \$ \_\_\_\_\_

D. Other Fees

Recording Assignment [Fee -- \$40.00 per assignment] \$ \_\_\_\_\_

Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached [Fee -- \$130.00] \$ \_\_\_\_\_

Other \$ \_\_\_\_\_

Total Fees Enclosed \$ 770.00

6. Method of Payment of Fees

Enclosed check in the amount of: \$ 770.00

Charge Deposit Account No. 13-0017 in the amount of: \$  
A copy of this Transmittal is enclosed.

Not enclosed

7. **Deposit Account and Refund Authorization**

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-0017.

Please refund any overpayment to Deposit Account No. 13-0017.

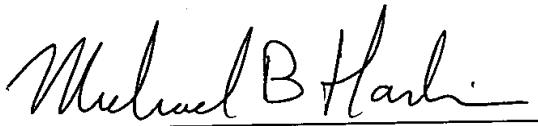
Please direct all future communications to Michael B. Harlin at the address below.

McAndrews, Held & Malloy, Ltd.  
500 West Madison Street, 34th Floor  
Chicago, Illinois 60661

Please direct all telephone calls to Michael B. Harlin at (312) 775-8202. Please direct all facsimile transmissions to Michael B. Harlin at (312) 775-8100. Please direct all e-mail transmissions to mharlin@mhma.com.

Respectfully submitted,

By:

  
Michael B. Harlin  
Michael B. Harlin  
Registration No. 43,658

Date: October 17, 2003

**CUSTOMER NO. 23446**